

ABSTRACT

The present inventors produced lotus leaf extracts, and discovered that quercetin is one of the active ingredients. As a result of treating β_3 -adrenergic receptor-expressing cells and feeding diabetes model mice with quercetin and evaluating its effects, the present inventors
5 discovered specifically that quercetin produces obesity-improving effects and antidiabetic effects by acting as a β_3 -adrenergic receptor agonist.